

# LSP Integration and PDAC Meeting 2019-01-24

## Date

24 Jan 2019

## Attendees

- [Gregory Dubois-Felsmann](#) (apologies; I cannot attend today due to a family conflict)

## Goals

- Advance the integration of the LSST Science Platform components

## Discussion items

Time	Item	Who	Notes
	Authentication integration	<a href="#">Brian Van Klaveren</a> <a href="#">Loi Ly</a>	<p>Status on:</p> <ul style="list-style-type: none"><li>• <a href="#">Brian Van Klaveren</a> 's demonstration of the integration of authentication with WebDAV</li><li>• This week's work on integration of the Portal with the authentication proxy</li></ul> <p>Authentication integration</p> <ul style="list-style-type: none"><li>• Issues with the proxy buffer size — tokens and cookies are &gt; 4KB</li><li>• Tried to configure per-location; Matt tried to do it at the ingress level but had problems; applying configuration at the server block level in Ingnix works</li><li>• Loi gets token from X-Auth-Request header</li><li>• Loi modified ingress rules to add an auth URL in the K8s configuration to enable authentication</li><li>• Two issues: timeout is set to 10 minutes and may not be working quite right; Loi can store X-Auth-Request for every request and would then always have a fresh token to pass to DAX services, or can get a refresh token but he needs CILogon OAuth2 client secret</li><li>• Refresh token would have to be managed by Portal</li><li>• Using tokens from web requests is not sufficient as Portal may issue DAX requests autonomously long after the last web request</li><li>• Token re-issuer could be used to extend lifetime of tokens, but not quite done yet, and integrating into the authorizer is only a short-term solution</li><li>• Custom code needed in notebook to manage tokens at all; could build in refresh token handling</li><li>• Refresh token handling can use client secret or not (by using PKCE); long-term solution is using PKCE</li><li>• Frossie: Do we have an enumeration of authentication interactions? Discuss offline with timelines; meeting set for 2019-01-25</li><li>• Fritz: Do we need refresh functionality within DAX APIs? DAX will get a 24 hour or longer reissued token for every request</li><li>• Loi can use the current functionality with 15 minute lifetime, accessing WebDAV and DAX services (via configured new ingress)</li><li>• Perhaps use token reissuer for non-DAX clients? But token would leave our domain</li></ul> <p>WebDAV from clients</p> <ul style="list-style-type: none"><li>• Need to set up a page to issue tokens</li><li>• Token would have to be pasted into a client in the username or password field</li><li>• But works today within a web browser</li><li>• Authentication has only a 15 minute lifetime for now</li><li>• Only pointing at /datasets for now</li><li>• Do a public demo?</li></ul>
	Insulation of <code>lsst-lsp-stable</code> from active development and integration experiments on <code>lsst-lsp-int</code>		<p>Sharing between <code>lsst-lsp-stable</code> and <code>lsst-lsp-int</code></p> <ul style="list-style-type: none"><li>• Currently at least ingress controller</li><li>• Physically separate <code>lsst-lsp-stable</code> cluster with external Internet access coming in ~1 week</li><li>• Should we have multiple ingress controllers anyway? e.g. for internal vs. external traffic</li><li>• Won't take any action for now until new cluster comes up</li></ul>
	AOB		<p>Working group for deployment proposal/tech note summarizing current practice coming soon (led by Frossie)</p>

## Action items

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